

3. KR1998-702348

- (1) Status: Abandoned
- (2) Title: CHANNEL IDENTIFICATION
- (3) Applicant: Koninklijke Philips Electronics N.V.
- (4) Abstract

A method and apparatus for channel identification utilizing two Least-Squares (LS) estimators is disclosed. Each LS estimator is used for calculating a sequence of channel values, further for determining an estimated channel impulse response, over an entire frequency band thereof in light of the fact that information is incomplete or unreliable over part of the frequency band. Each LS estimator operates for the case when the estimated channel impulse response span is less than the span of a known test signal, the test signal having been transmitted over the channel for use in identifying the channel. In a TV ghost-cancellation system for removal of channel induced distortion from received signals, each LS estimator is used to compute channel impulse response coefficients, wherein the system includes ghost-cancellation filters responsive to the channel impulse response for removing the effects of the channel from the signals.